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RSPB first book of
pond life

Derek Niemann

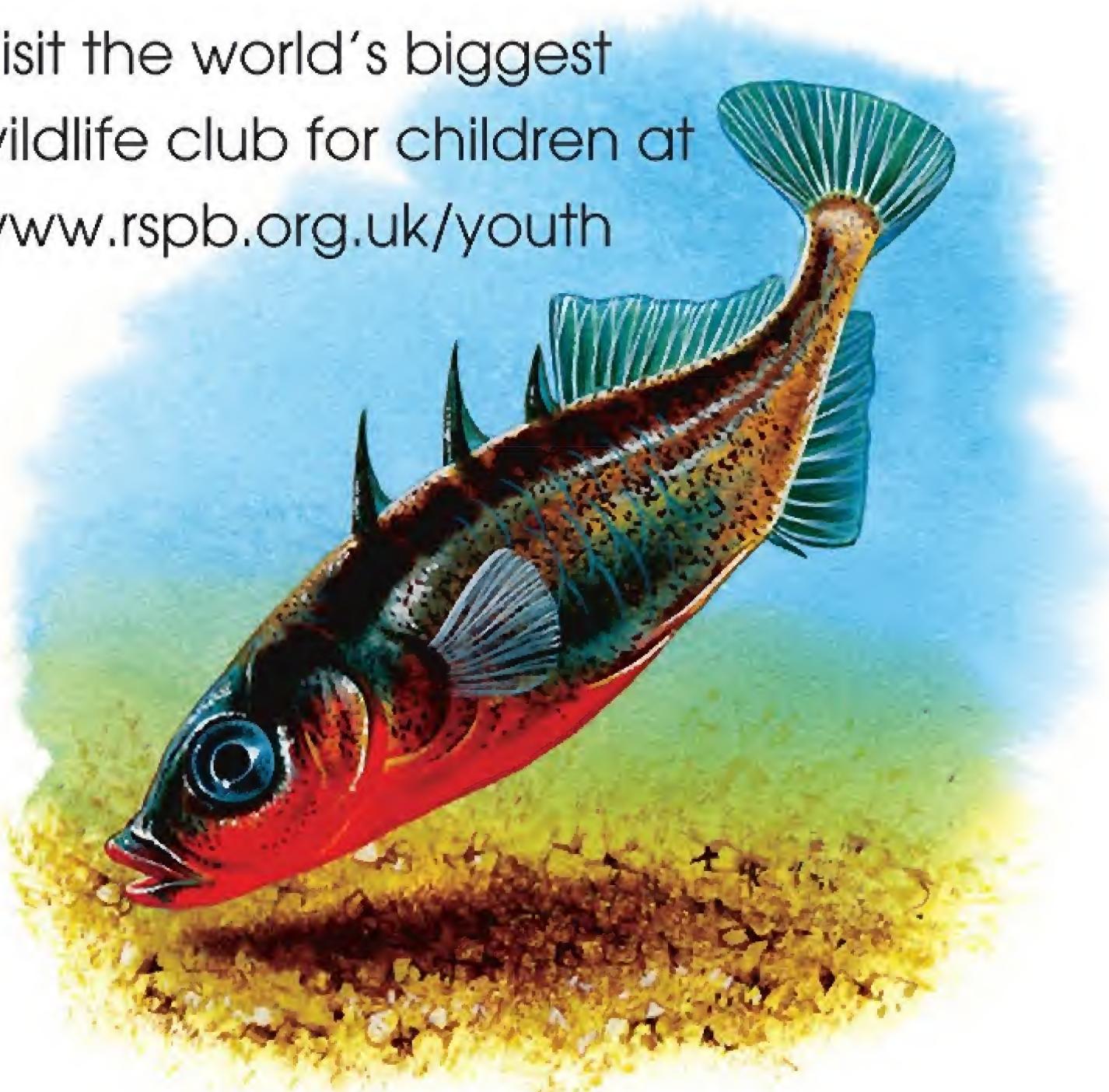


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A & C Black • London

Pond life

Published 2012 by A&C Black, an imprint of
Bloomsbury Publishing Plc
50 Bedford Square, London, WC1B 3DP
www.acblack.com

ISBN: 978-1-4081-6571-3

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Text: Derek Niemann
Illustrations: Ian Jackson

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Printed and bound in China by WKT.

A&C Black uses paper produced from elemental
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All sorts of creatures live in ponds
and around them. Some stay on the
surface. Some swim in the water. And
some even walk on the bottom!

This book will help you name many
of the animals you see in ponds.
Find out if a pond skater really skates.
And discover the spider that lives
under water.

At the back of this book is a Spotter's
Guide to help you remember the
pond creatures you find. You could
also draw them. Take a grown-up and
go pond watching!

Turn the page to find out more about
pond animals!



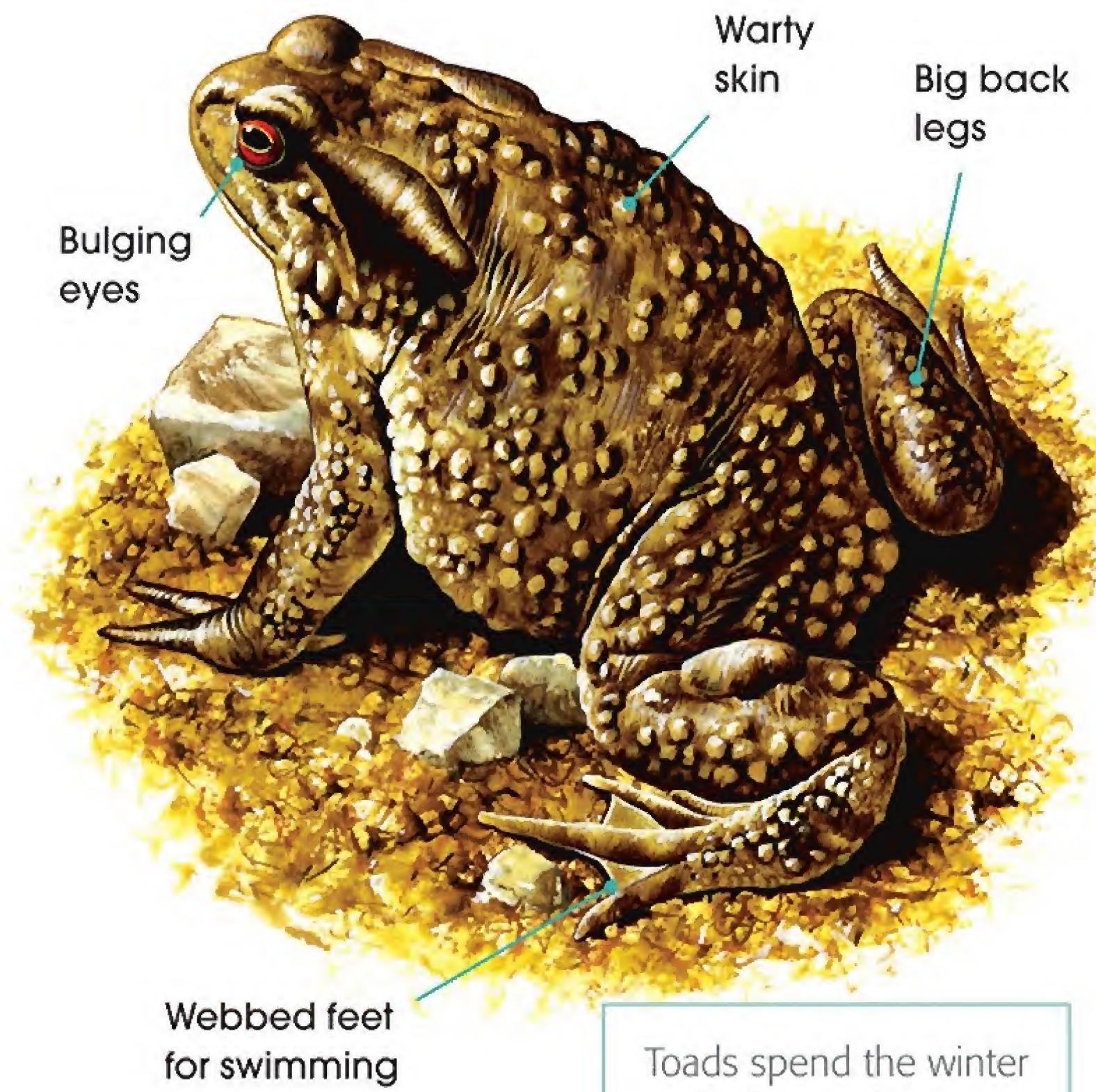
Common frog

Have you seen two big eyes sticking out of the pond? They belong to a frog. These animals can live on land and in water. They come to the pond in the spring to lay their eggs.



Common toad

A toad looks like a frog with bumpy skin. Just like frogs, they lay their eggs in ponds in the spring. Toads like deeper ponds than frogs.

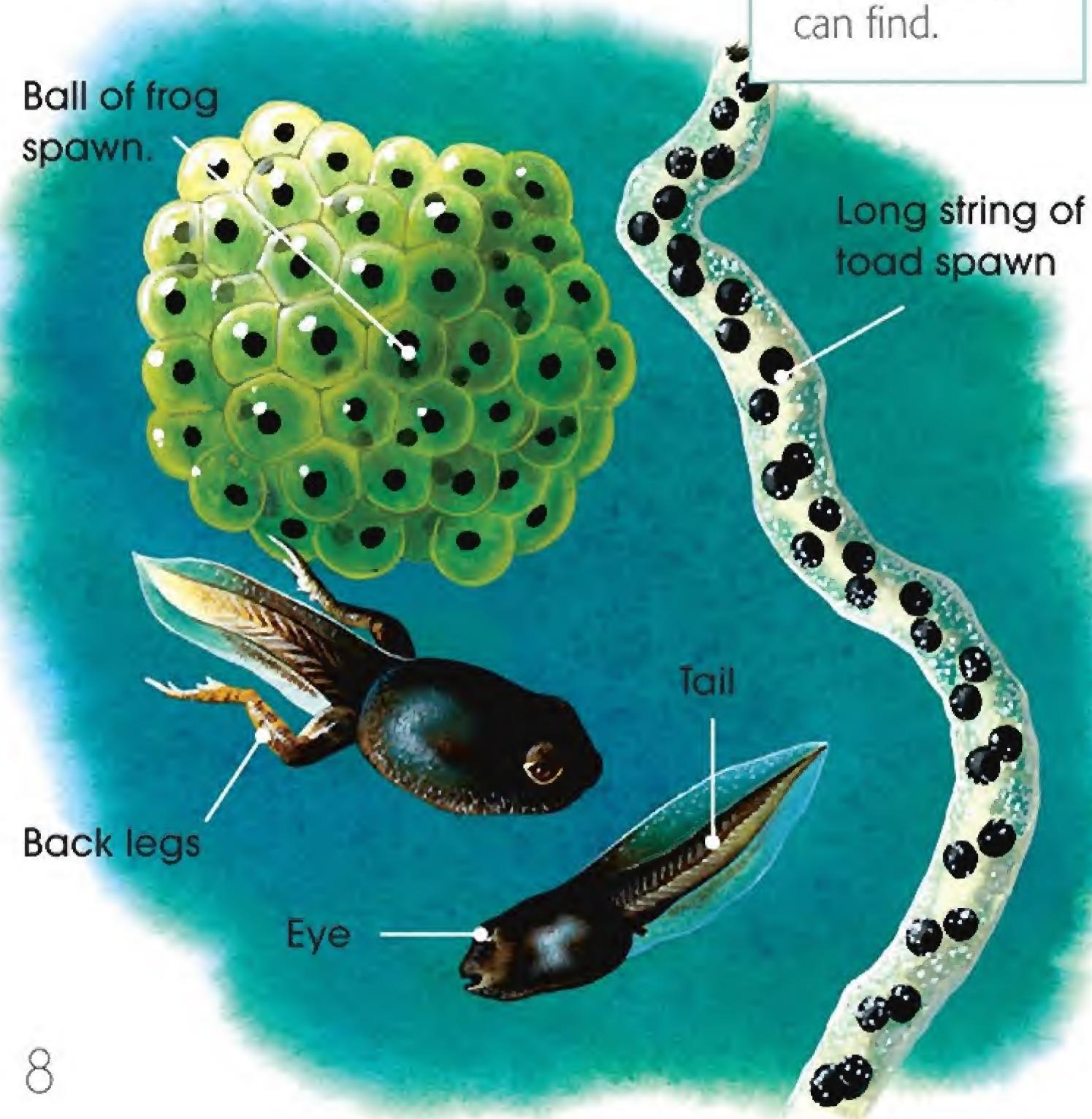




Tadpoles

Frogs and toads lay eggs in jelly, called spawn. The eggs hatch into tiny creatures with tails, called tadpoles. The tadpoles get bigger, grow legs and lose their tails. They have turned into frogs or toads.

Very young tadpoles eat plants. As they grow, they eat anything they can find.



Smooth newt

These animals look like lizards. They swim through the pond, flicking their long tails. Newts eat tadpoles and other water creatures.

A baby newt is called an eft.





Great crested newt

This is a very big dark newt – as long as a grown-up's hand. It has a huge crest down its back. It is very rare too. You are lucky if you see a great crested newt.



Grass snake

You might see this snake swimming in the pond. It is looking for frogs, toads or tadpoles to eat.

The grass snake is the biggest snake in Britain, but it is harmless to us.





Hedgehog

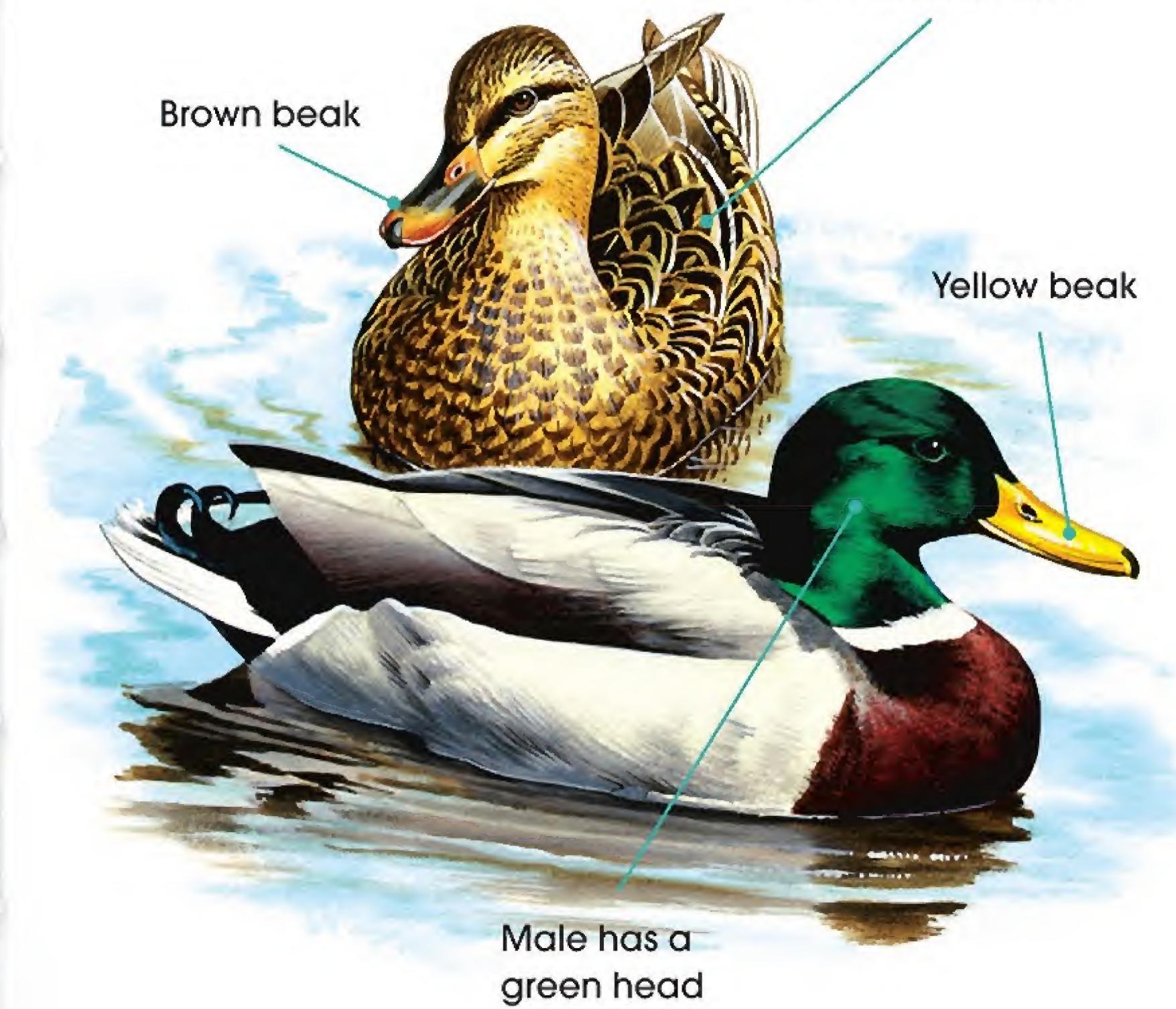
After dark, hedgehogs come to the pond for a drink. They eat slugs, worms and beetles. All that food makes them thirsty.



Hedgehogs sometimes fall into ponds. They can swim, but they need a slope so they can climb out again.

Mallard

If you see a duck on a pond, it is probably a mallard. It puts its beak in the water and eats pondweed.





Heron

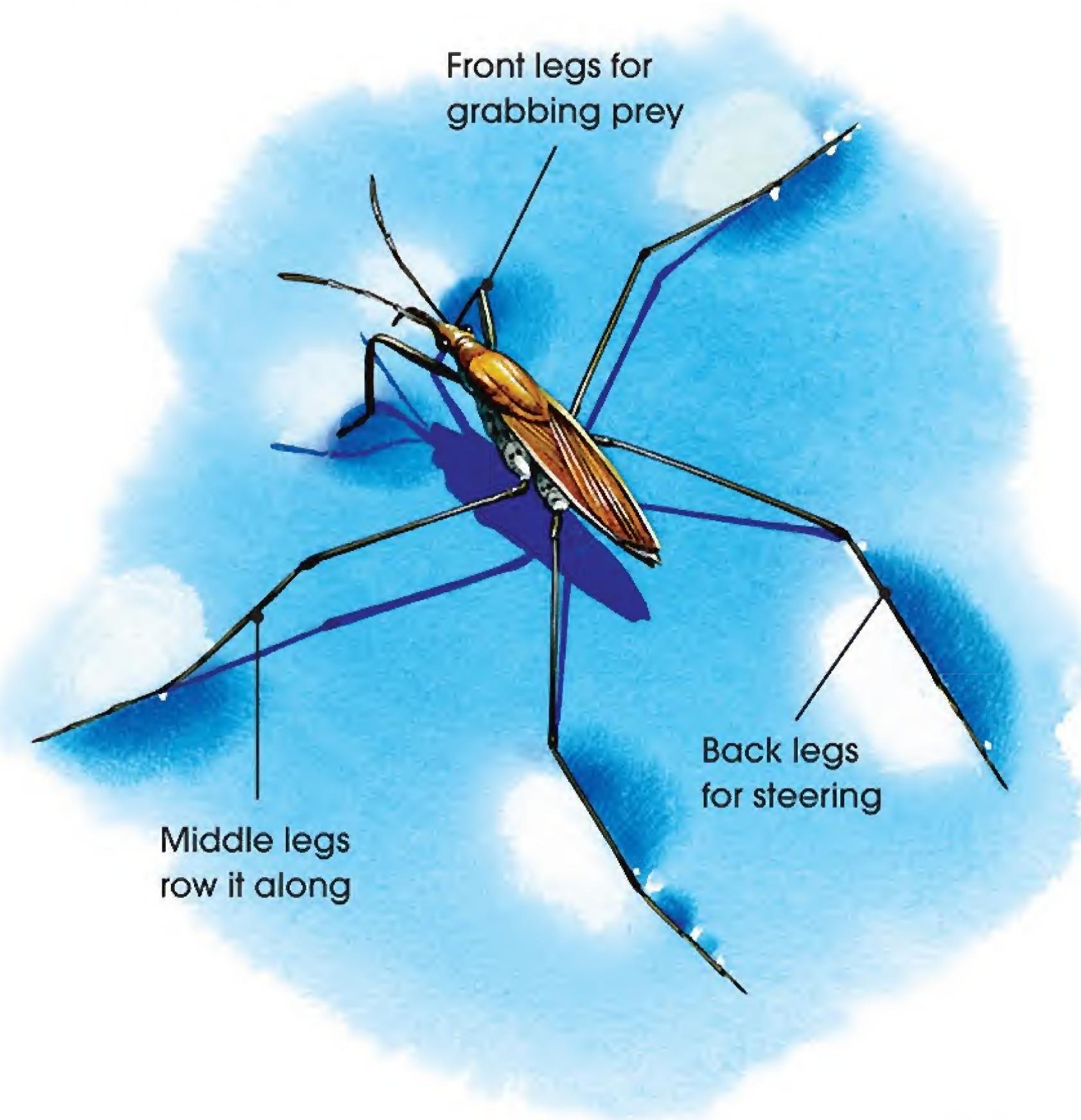
This big bird has long legs and a very long beak. It comes to the pond looking for fish and frogs to eat.



Pond skater

This insect does what its name says. Look for it skating over the surface of the pond with its legs spread out.

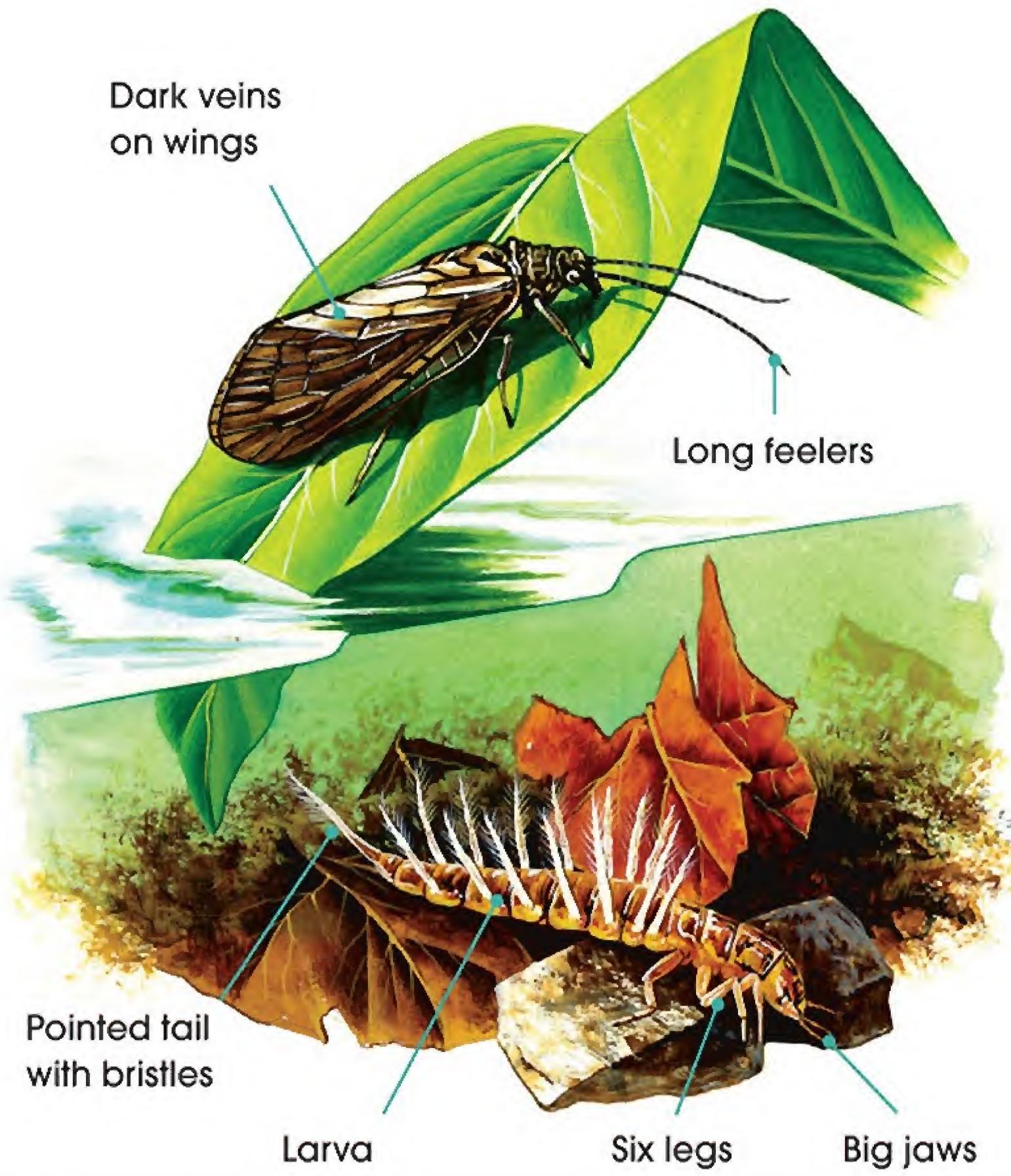
The pond skater catches insects that land on the pond surface.





Alderfly

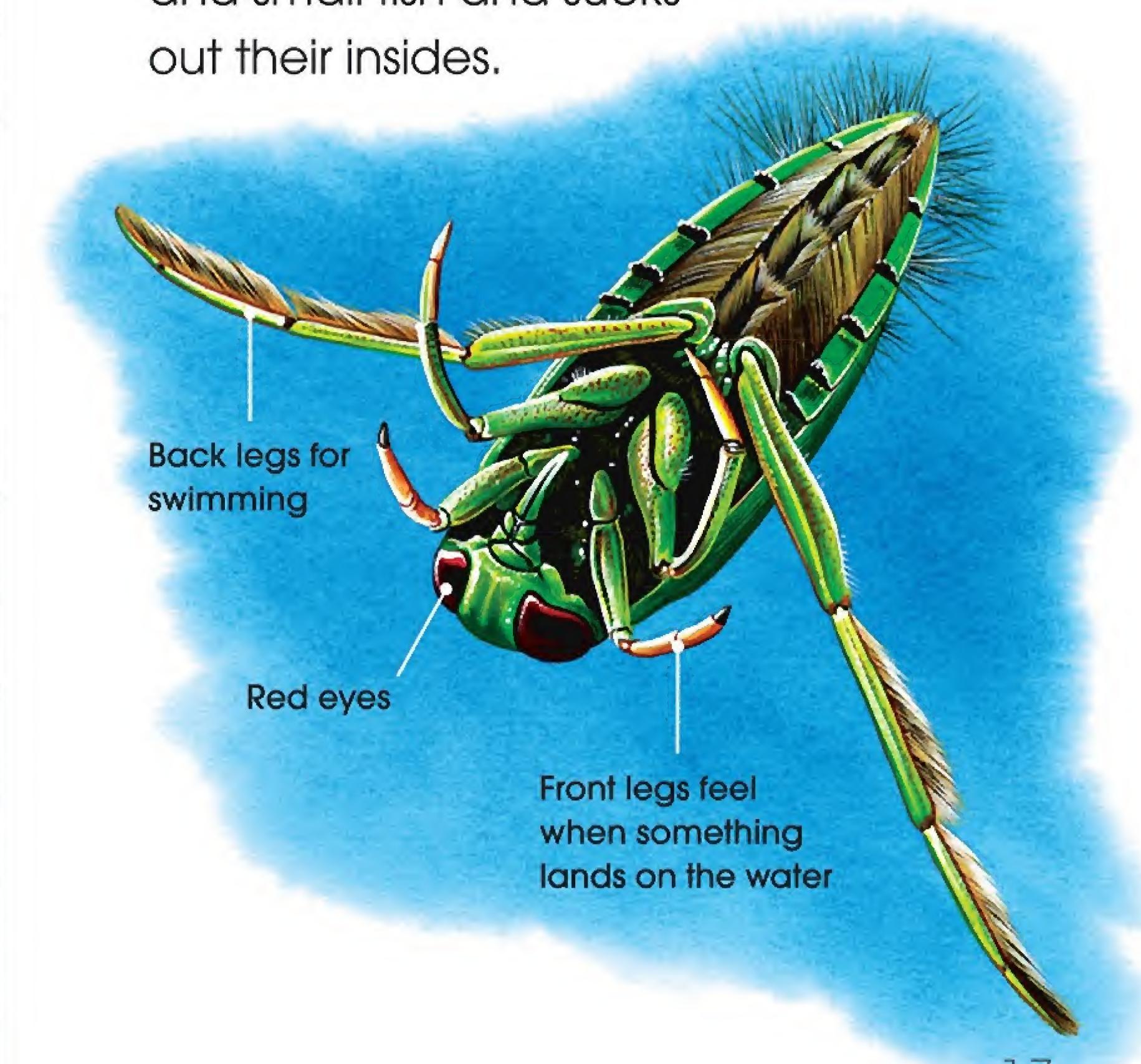
This insect lays its eggs on plant stems. When the larvae hatch, they jump into the water. The larvae live at the bottom of the pond.



Backswimmer

This hunter floats on its back. It swims very fast using its long back legs as paddles. It sticks its sharp beak into tadpoles and small fish and sucks out their insides.

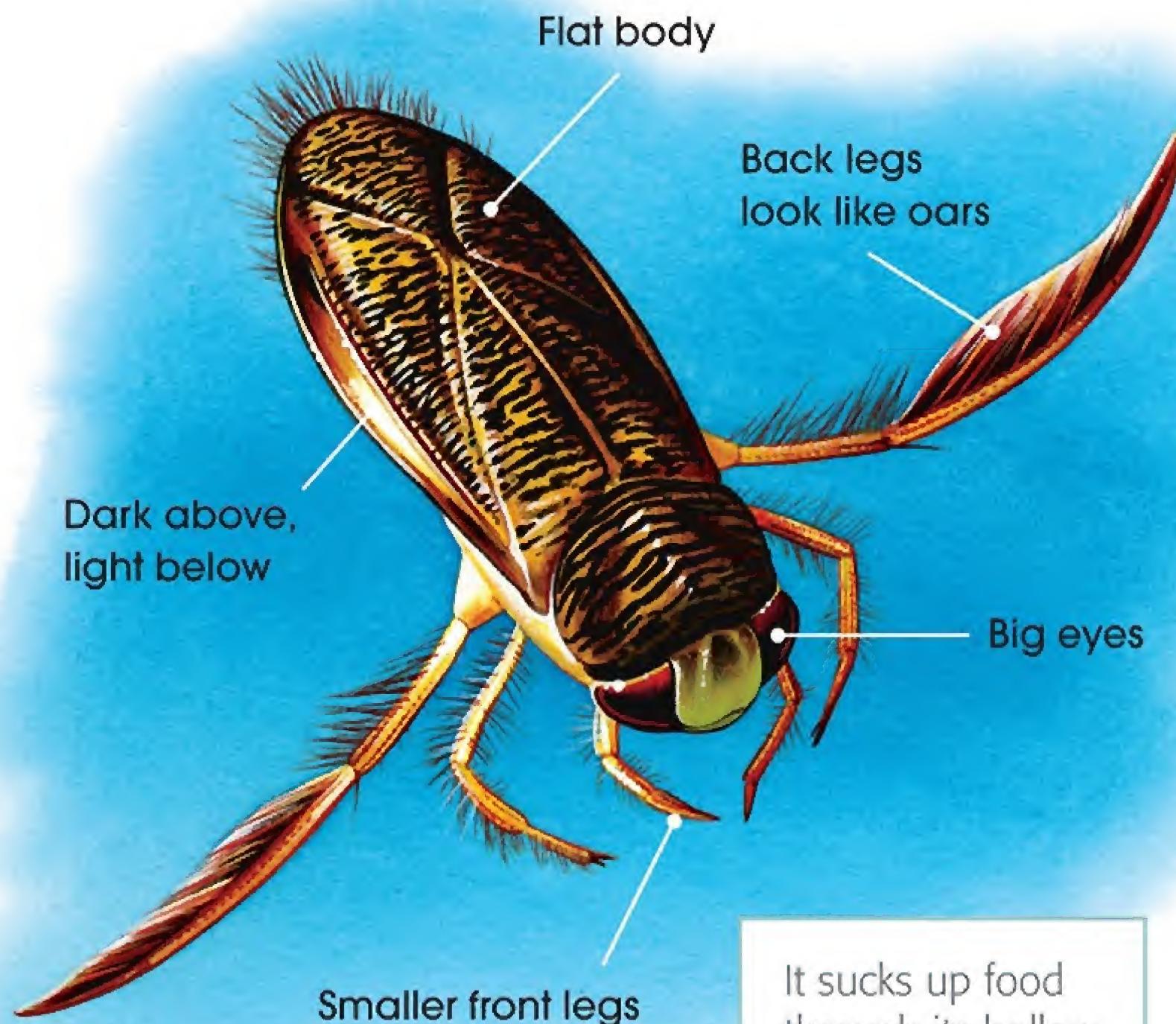
The backswimmer is also called the greater water boatman.





Lesser water boatman

This bug moves through the water using its back legs like oars. It usually stays near the bottom of the pond.

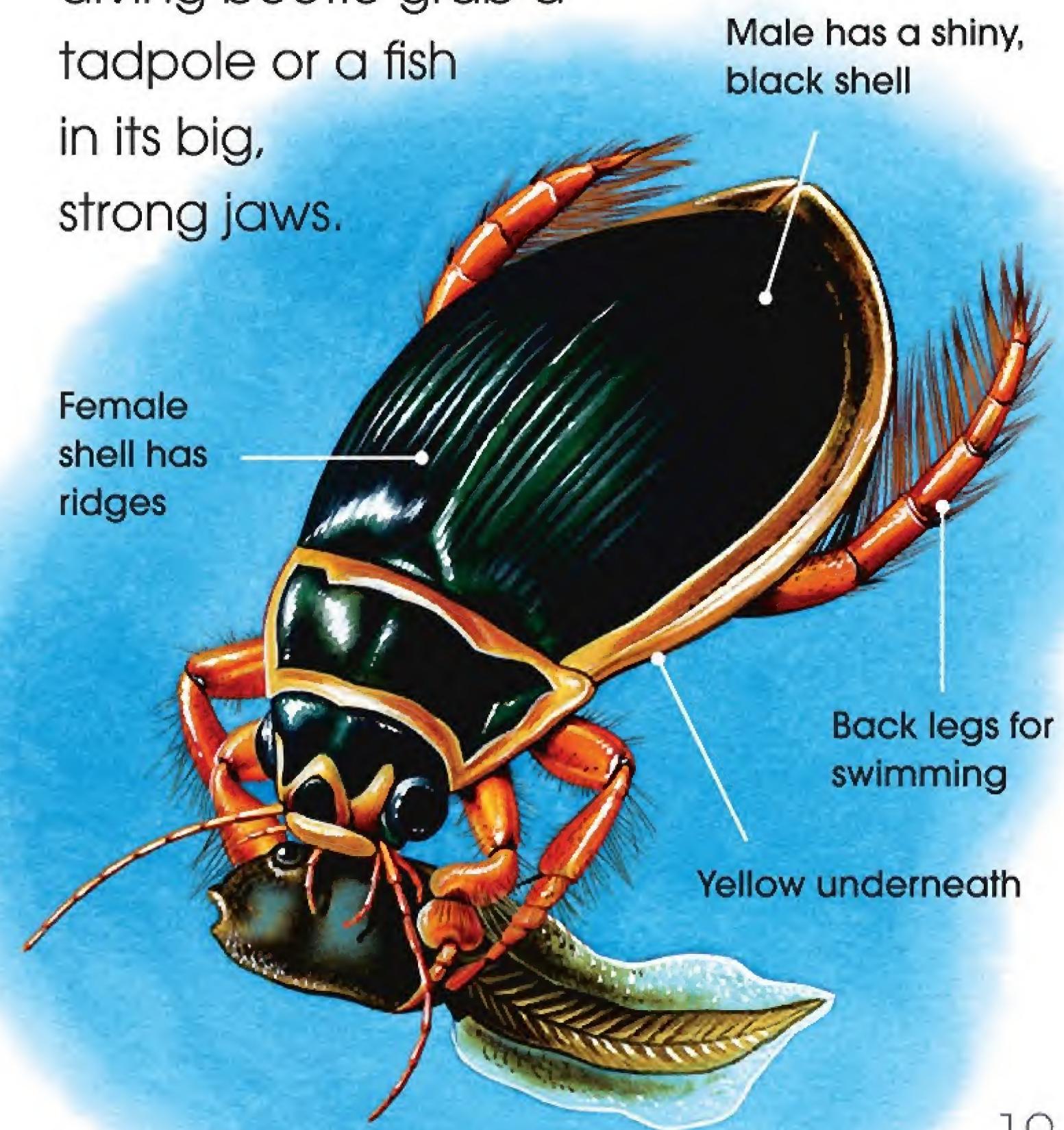


Great diving beetle

This is one of the best hunters in the pond. It can be bigger than your thumb. Watch the great diving beetle grab a tadpole or a fish in its big, strong jaws.



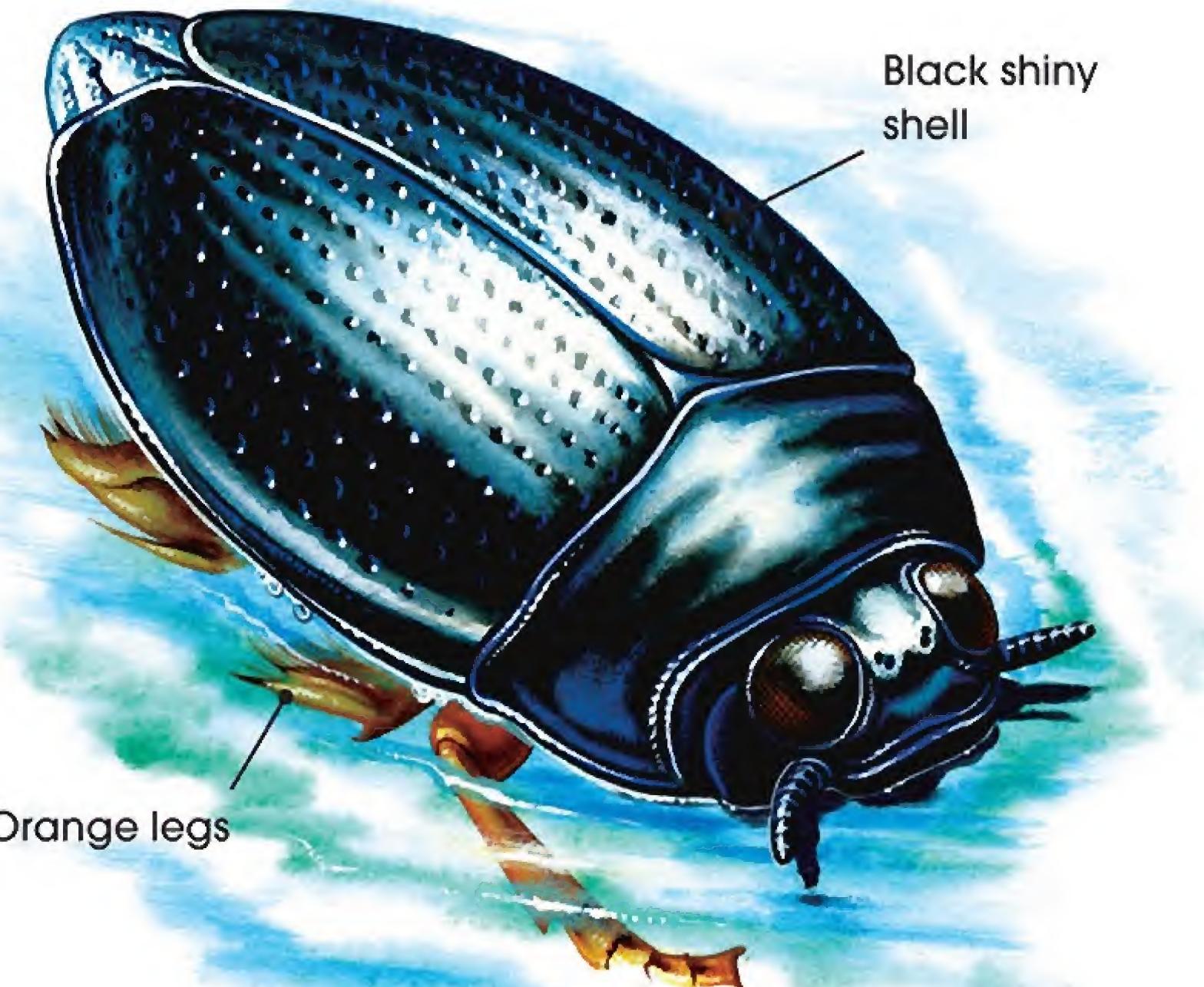
The diving beetle larva has huge jaws too. It breathes through its tail!





Whirligig beetle

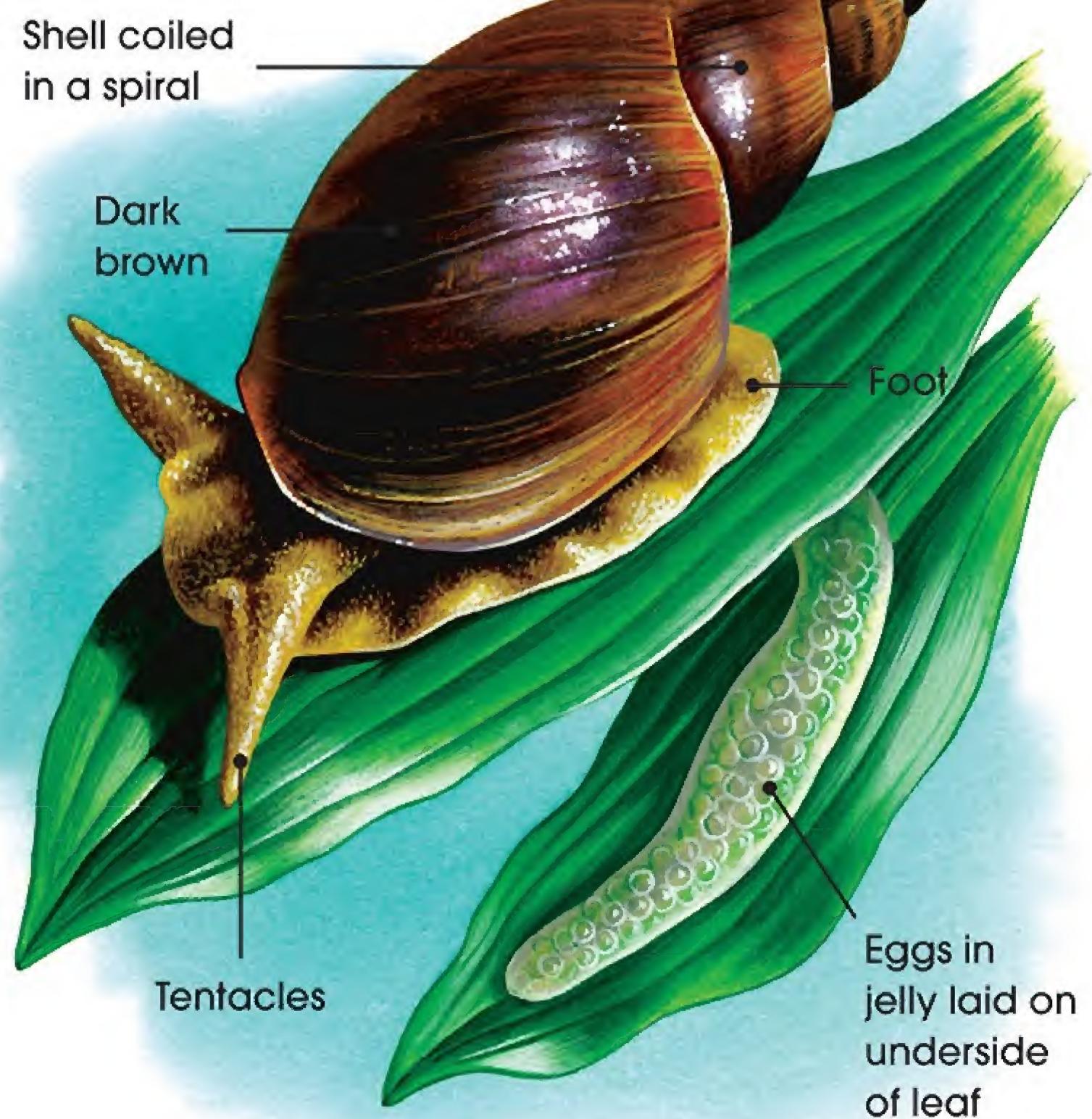
Look for these tiny beetles on top of the pond. They swim round and round in circles. You usually find them in little groups.



Whirligig beetles' eyes are split in two. The top half can see what's going on above the water. The bottom half watches for things under the water.

Pond snail

This animal's shell goes round in a spiral. It is pointed at the top. The snail keeps air trapped inside its shell so that it can breathe underwater.

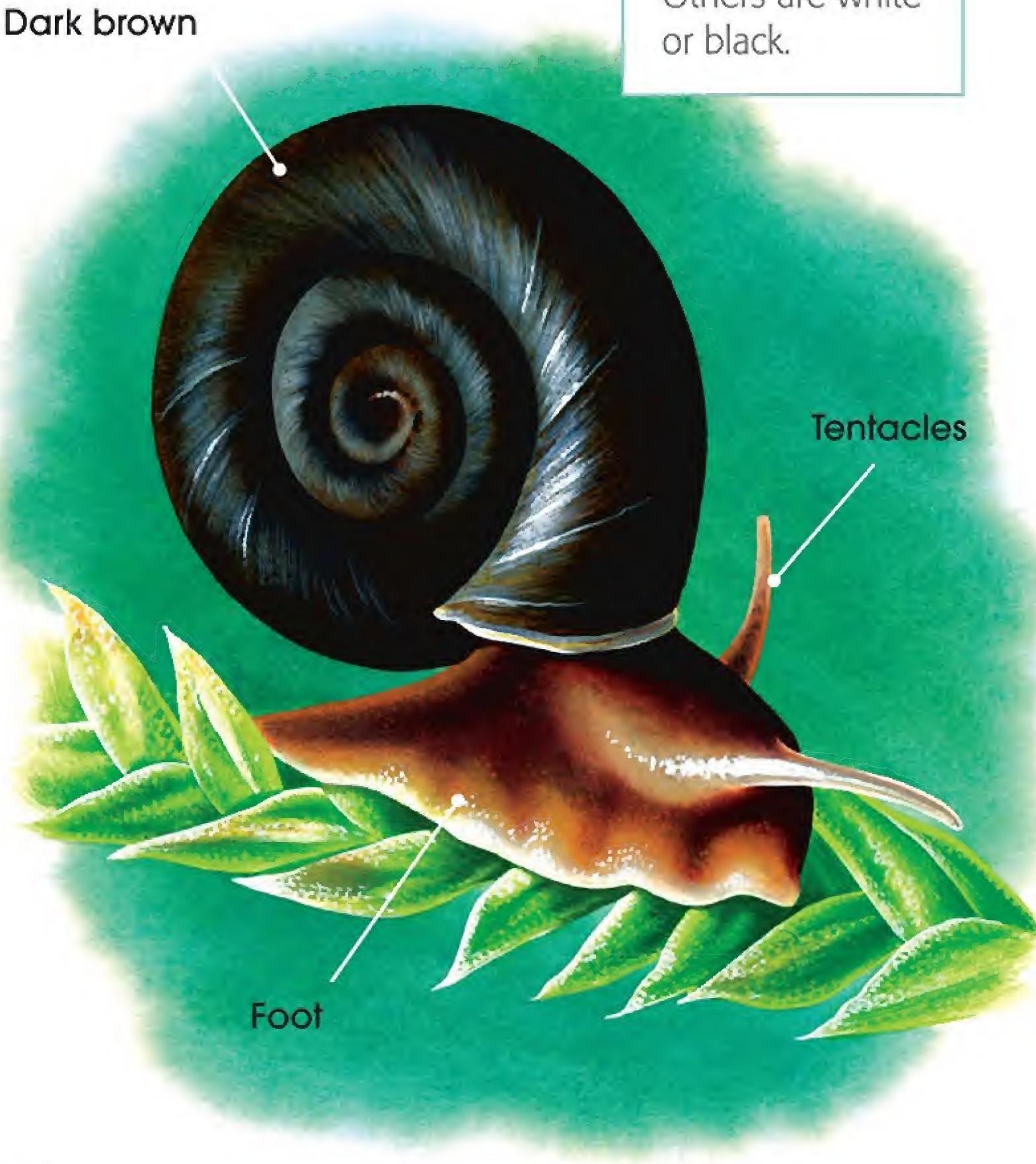


Pond snails have very rough tongues. They lick green algae off plants.



Ramshorn snail

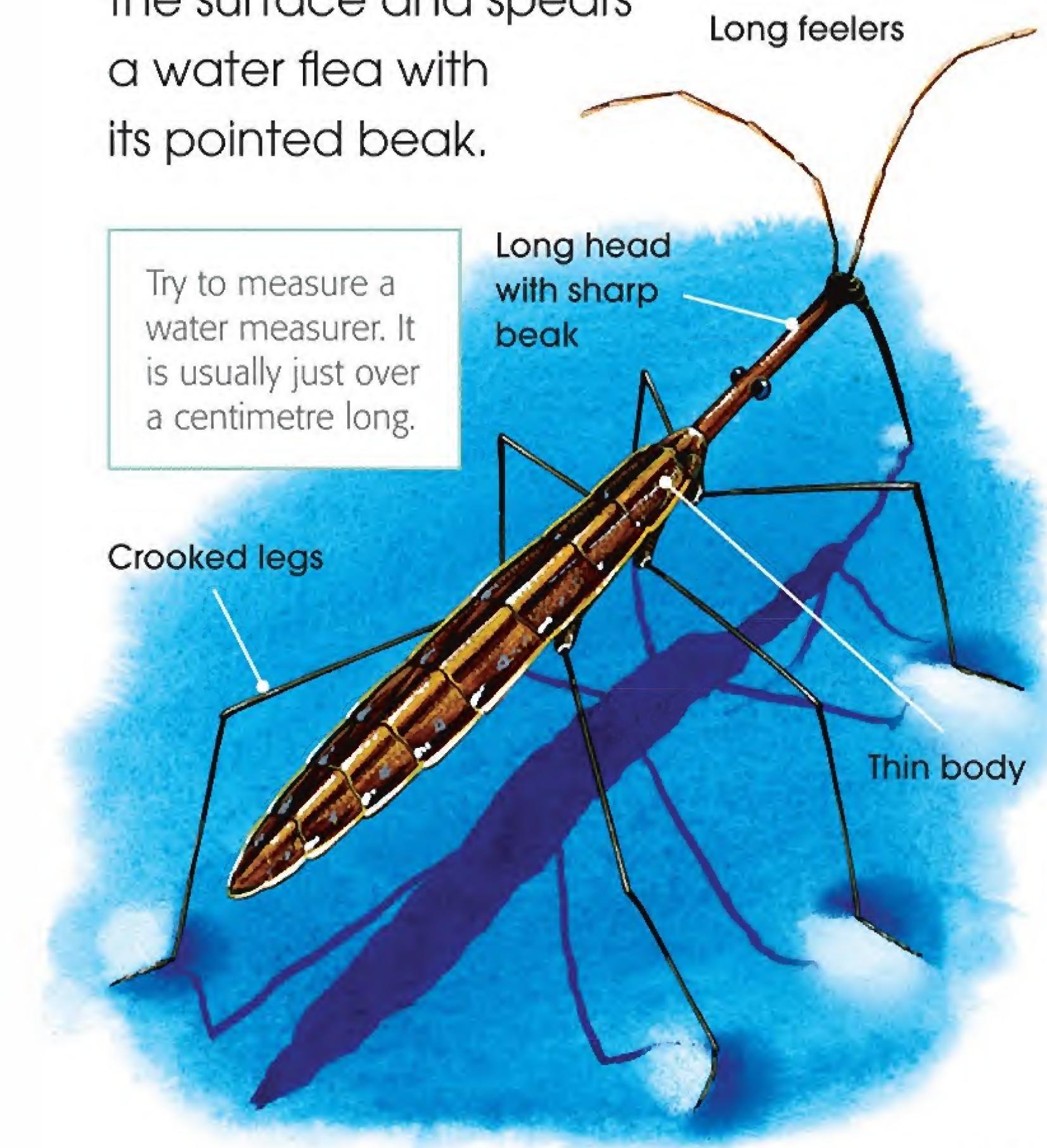
This snail got its name from the shape of its shell. It is curled like a ram's horn. A ram is a male sheep.



Some ramshorn snails are brown. Others are white or black.

Water measurer

Look near the edge of the pond for a small insect with very thin legs. The water measurer walks on top of the water. It dips its head under the surface and spears a water flea with its pointed beak.

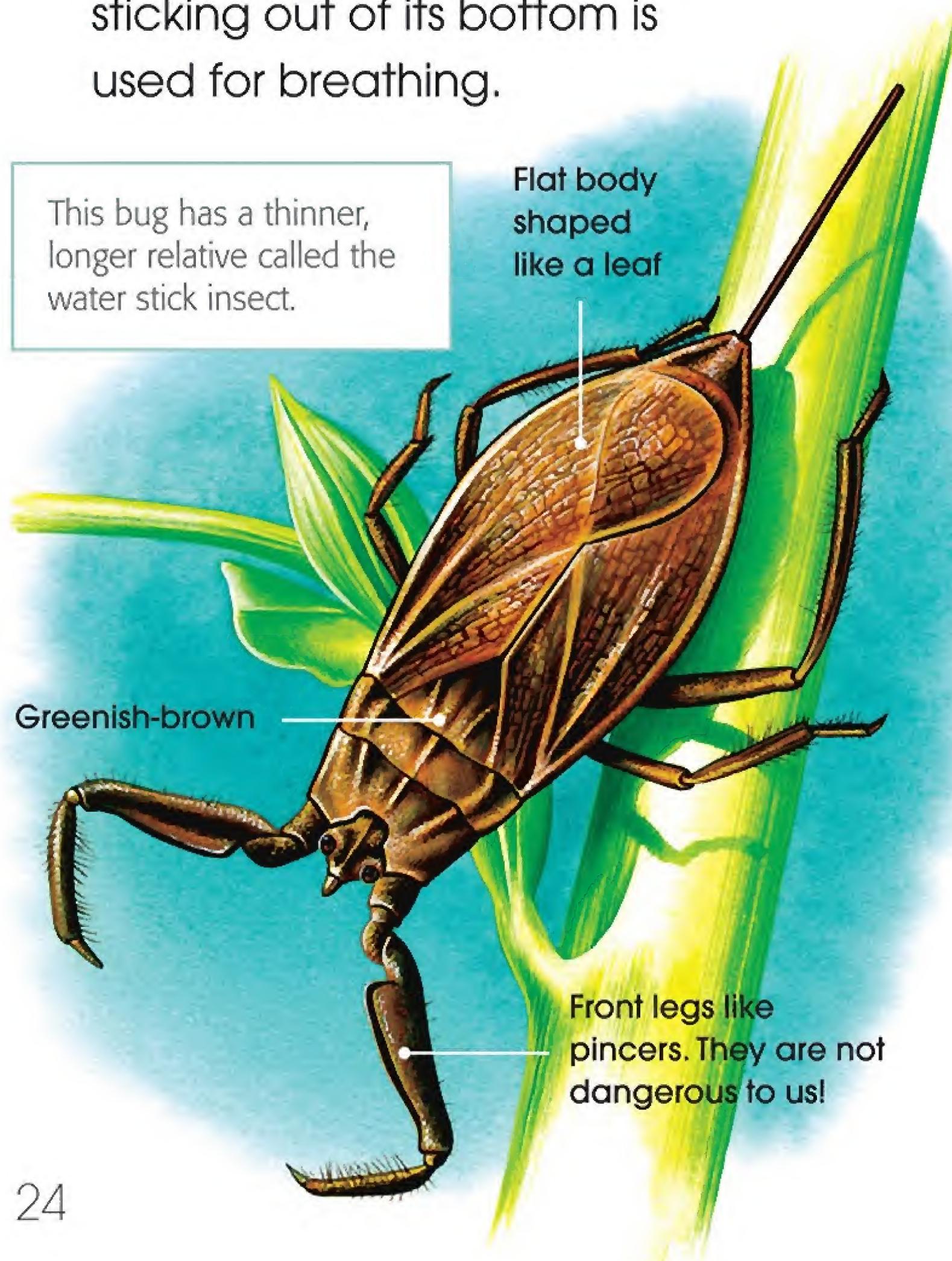


Try to measure a water measurer. It is usually just over a centimetre long.



Water scorpion

The front legs of this bug are shaped like pincers. They are used for catching prey. The long tube sticking out of its bottom is used for breathing.



Leech

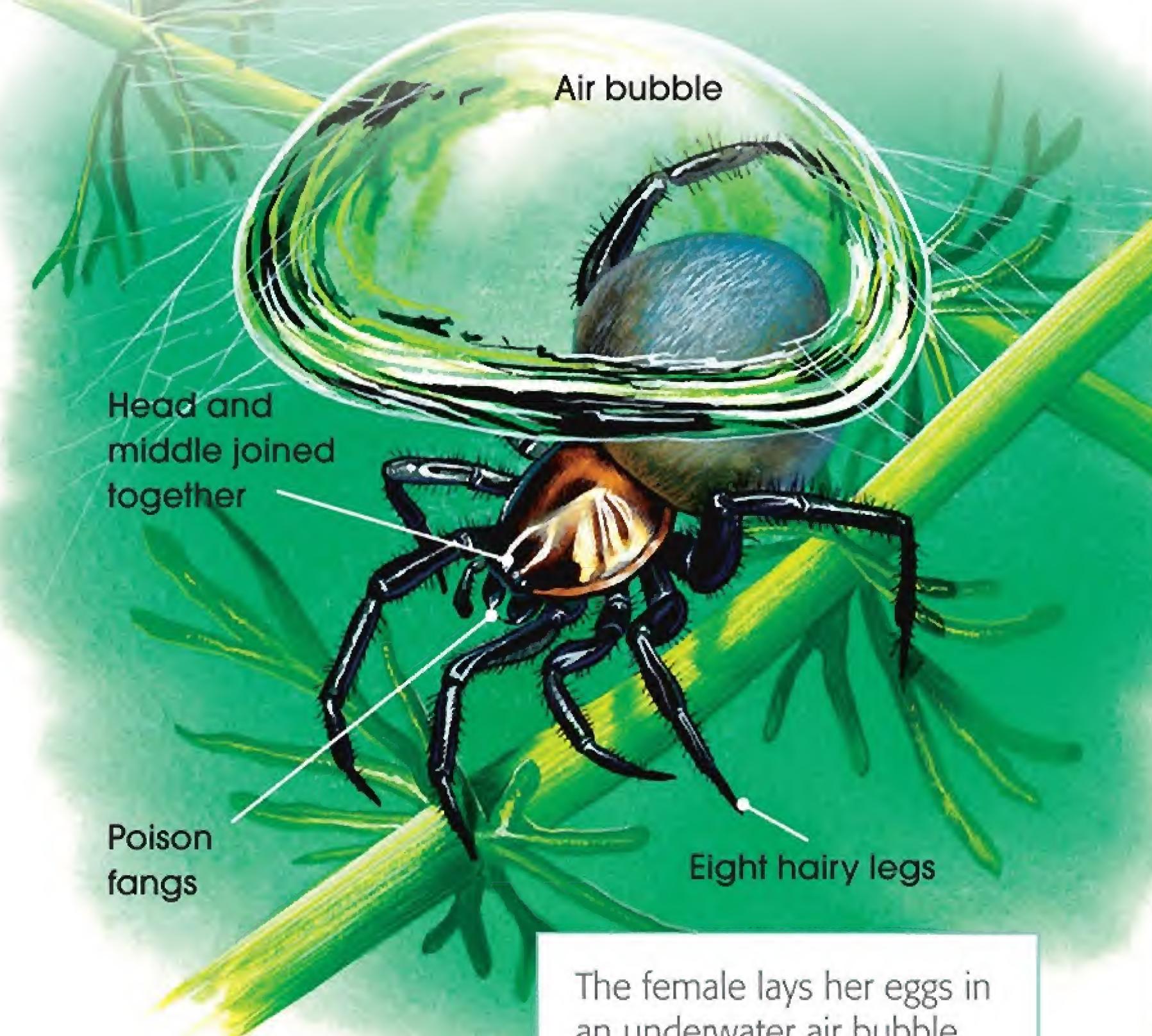
A leech has suckers at both ends of its body. It gets around by swimming or moving from sucker to sucker. Some leeches live by drinking other animals' blood! Others swallow smaller creatures whole.





Water spider

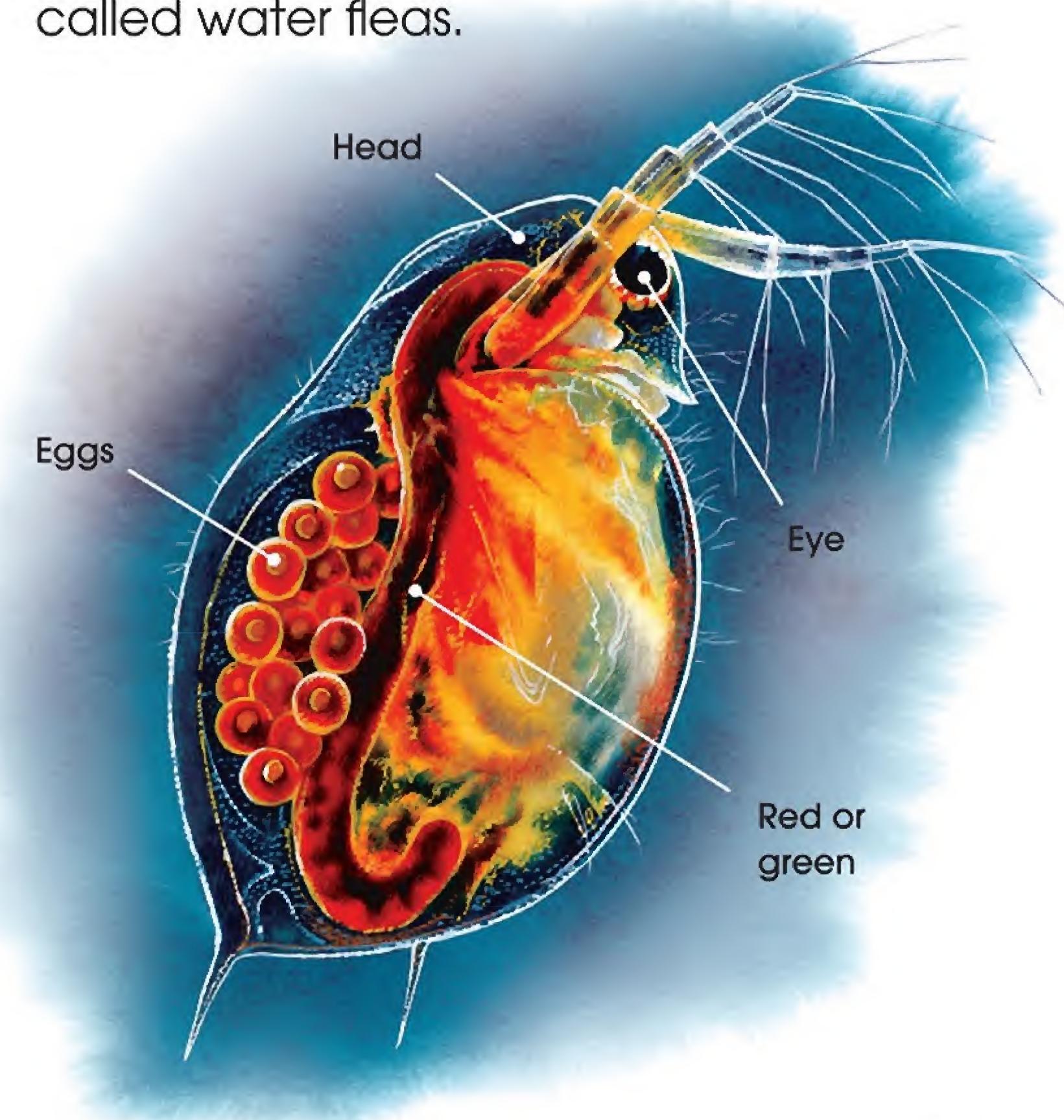
This spider breathes air but spends most of its life underwater. It makes a web in the pond plants. It fills its web with air bubbles from the surface so it can breathe.



Water flea

Lots of tiny creatures swim about in the pond. They eat things that are too small for us to see. These see-through animals are called water fleas.

A water flea is the same size as a full stop on this page.





Caddis fly larva

Can you see a tube in the pond made up of tiny bits of leaves, twigs or stones? There is a caddis fly larva hiding inside. These animals make a cocoon for themselves. Then they stick bits of plants or twigs on it.



Mosquito larva

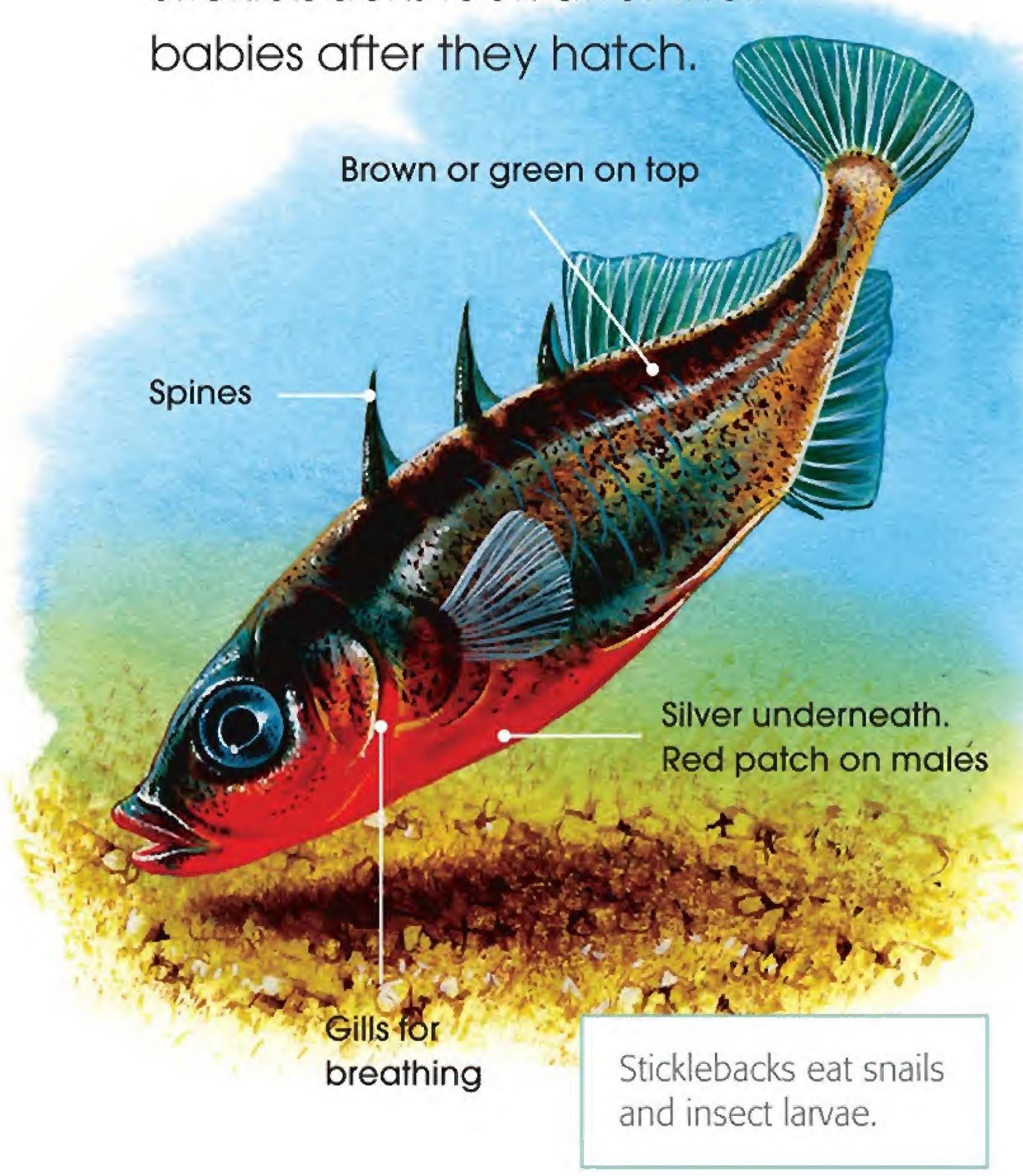
Mosquito eggs hatch into larvae. The larvae hang down from the surface of the pond. They wait for food to float past then catch it in the little bristles around their mouths.





Stickleback

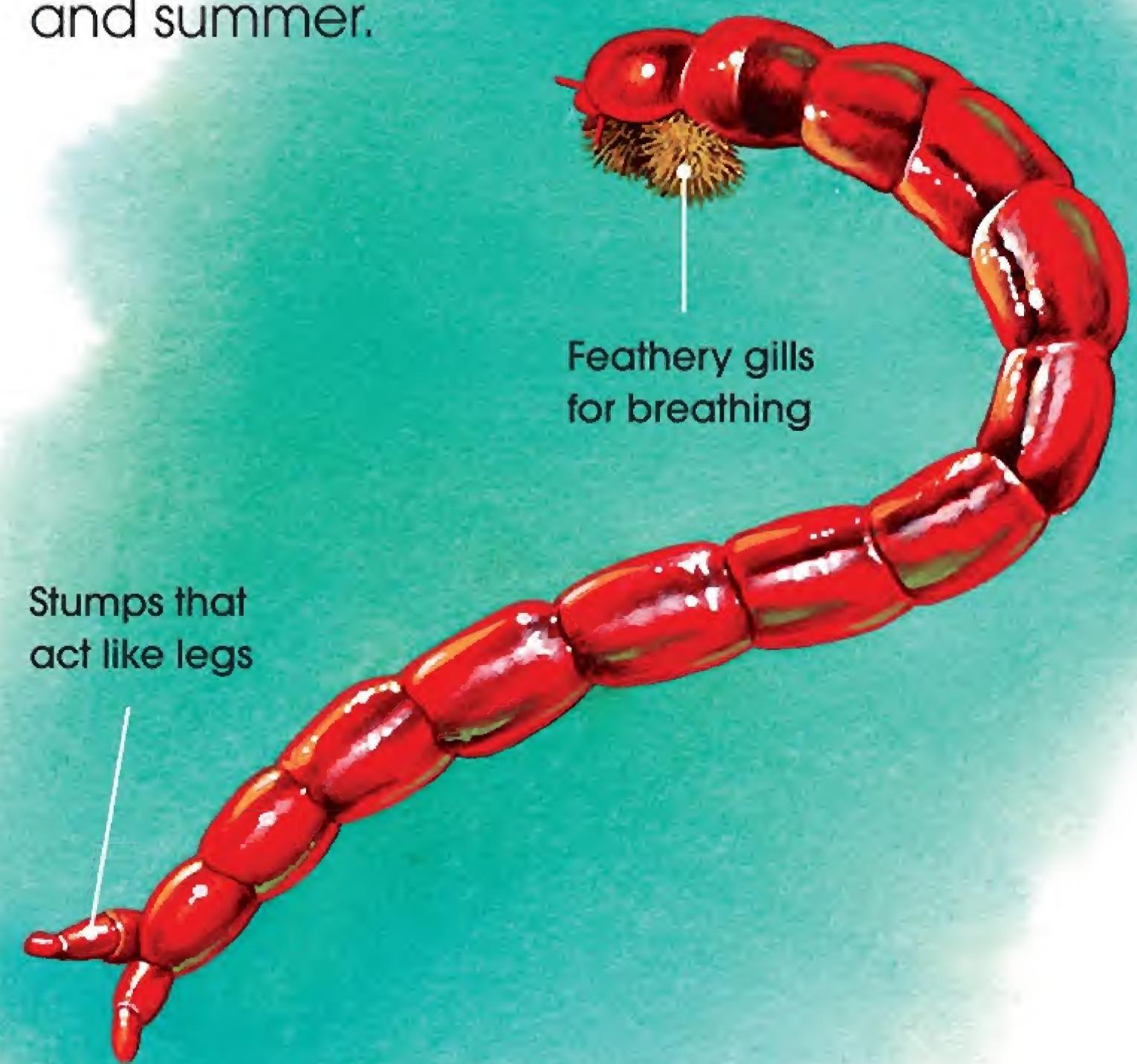
This is the smallest fish in the pond. It is also the only fish in the pond that makes a nest for its eggs. Sticklebacks look after their babies after they hatch.



Bloodworm

What are those wriggly red worms in the pond? They are called bloodworms. But they are not worms. They are the larvae of midges – tiny insects that gather in big swarms in spring and summer.

Bloodworms turn into midges that do not bite.

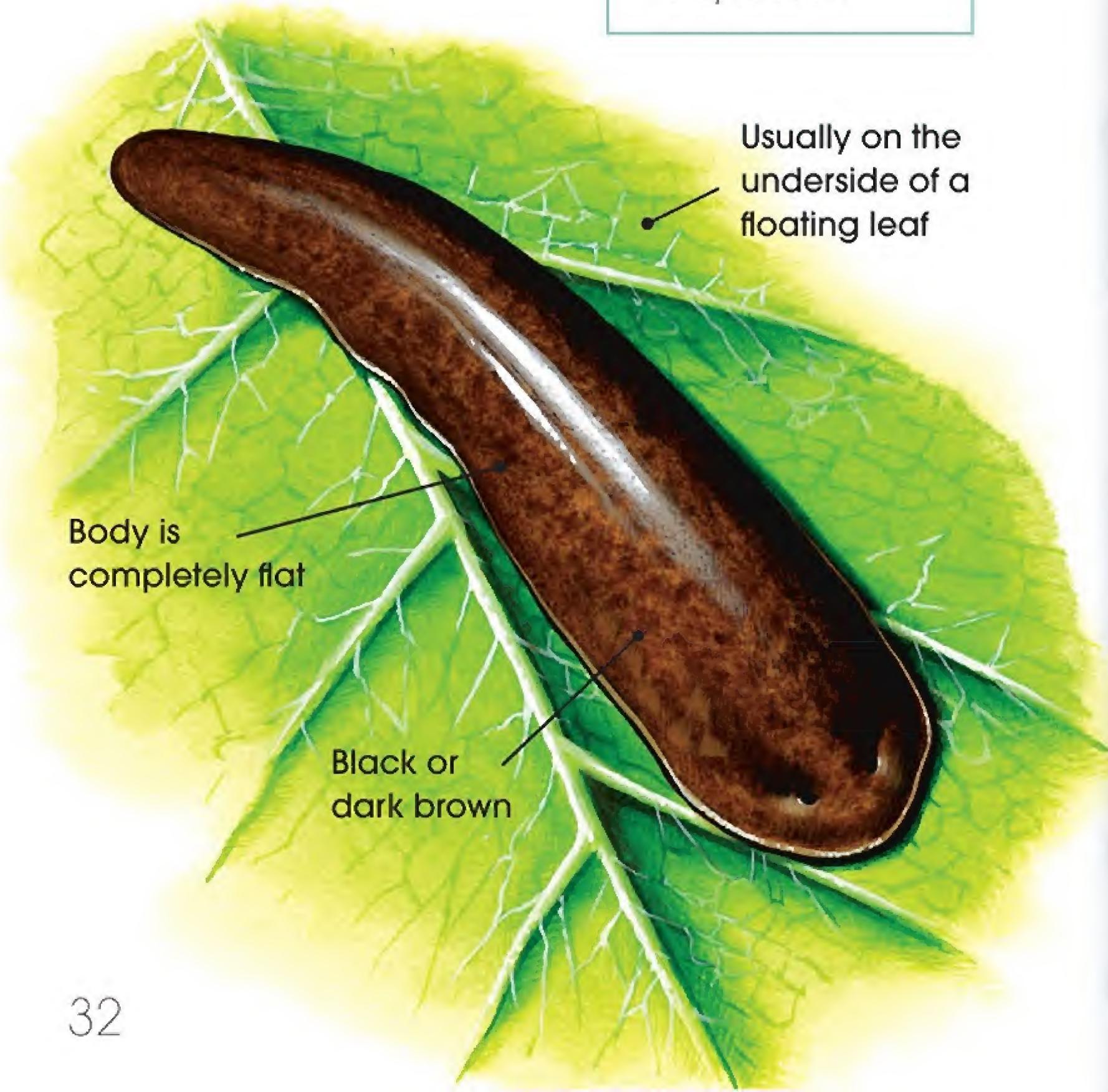




Flatworm

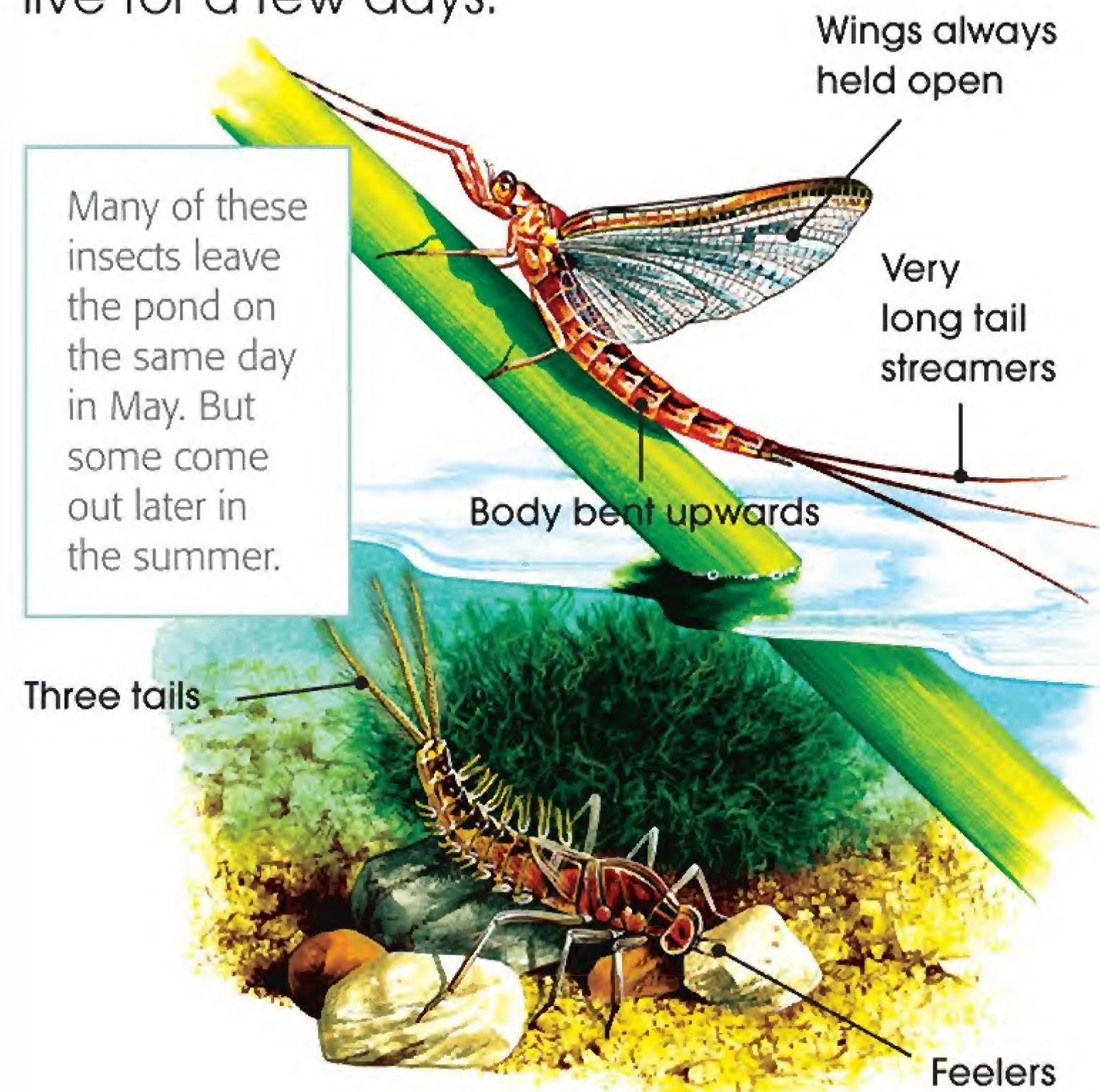
This animal suits its name. It is a very flat worm. It moves along on hairs that are too small for us to see. It is looking for tiny creatures to eat.

Some flatworms have eyes at one end. Some have eyes in their middle. Some have no eyes at all.



Mayfly

Look at the three tails on this insect! The mayfly larva walks along the bottom of the pond, nibbling plants. It can live there for up to two years. But after it turns into an adult and flies away it will only live for a few days.



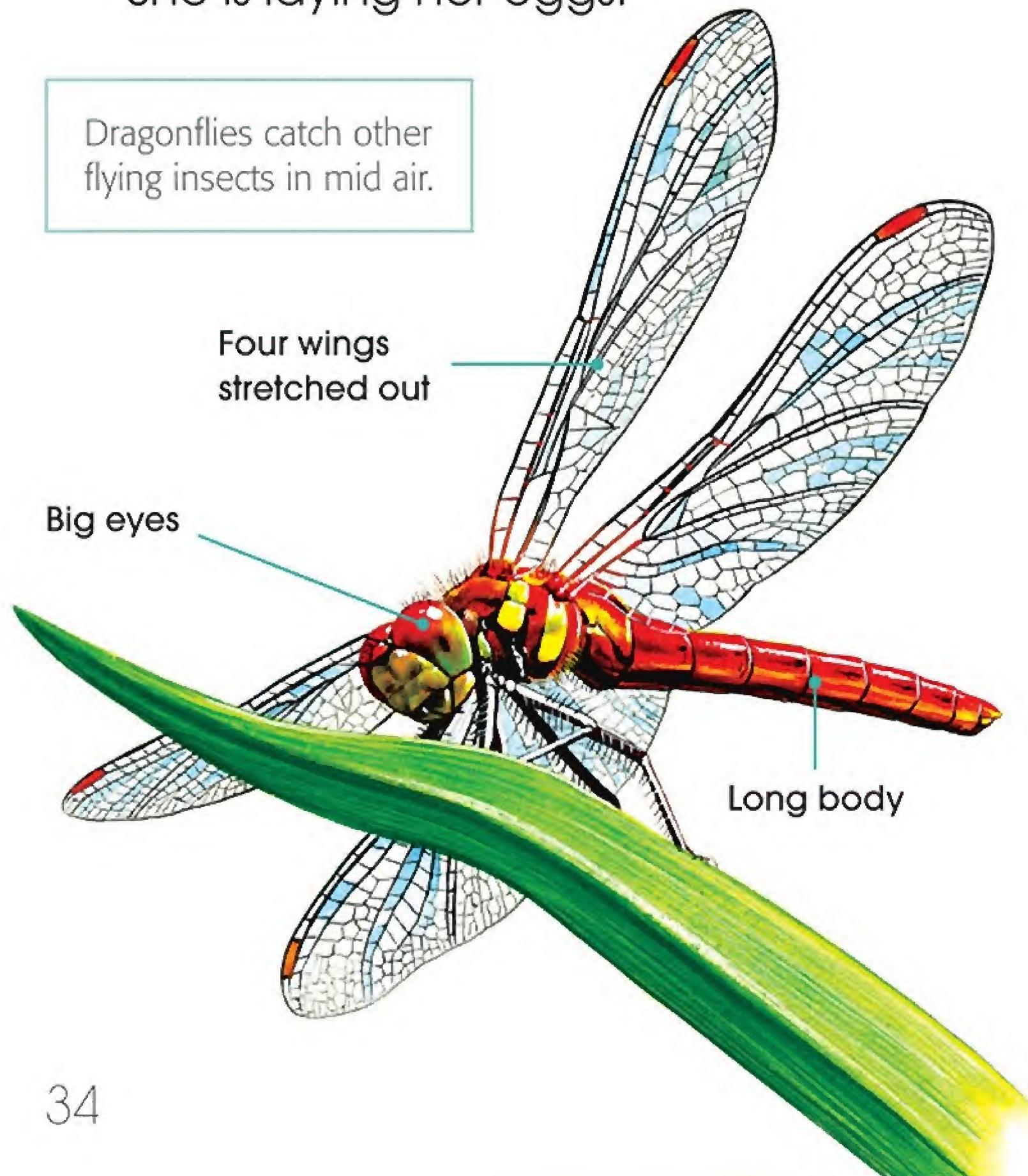


Dragonfly

Often, a dragonfly will perch on a plant above the pond. Sometimes you can see a female flying over the pond. She dips her bottom into the pond again and again.

She is laying her eggs.

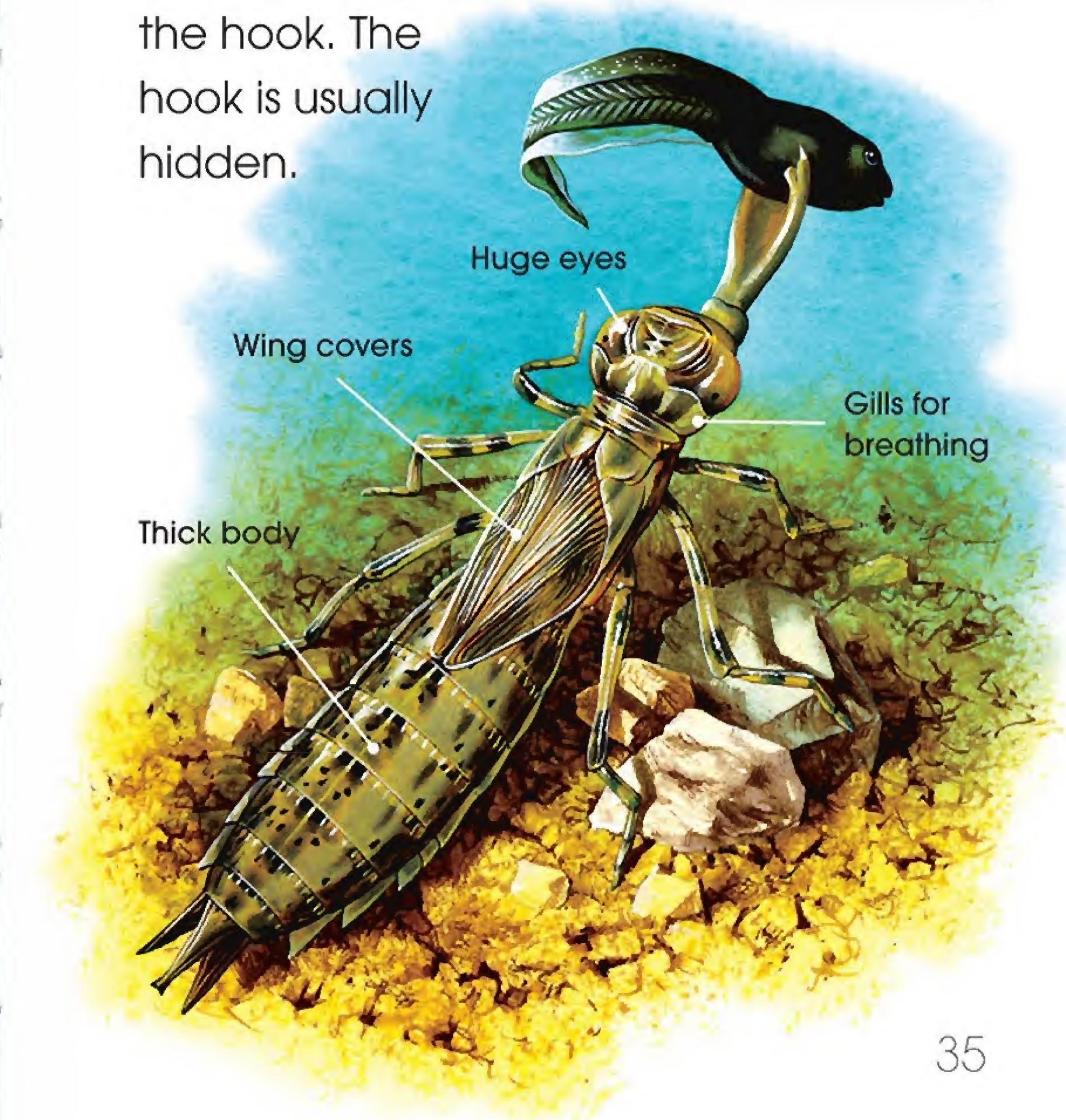
Dragonflies catch other flying insects in mid air.



Dragonfly larva

The dragonfly larva has a bottom lip with a hook. The larva shoots out its lip and grabs a tadpole or another insect with the hook. The hook is usually hidden.

A dragonfly larva moves quickly by squirting water out of its bottom!

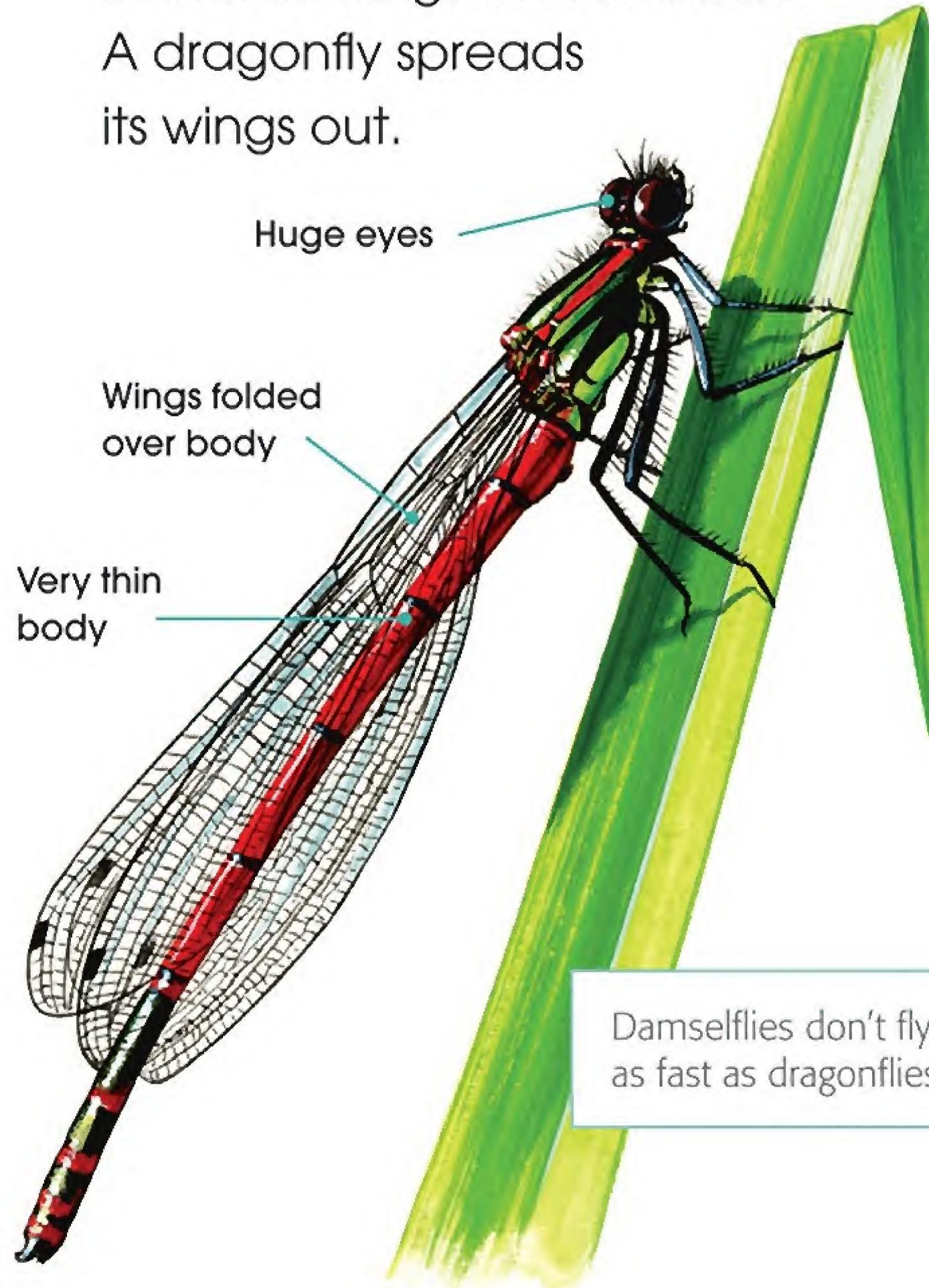




Damselfly

This dainty insect looks like a thin dragonfly. But watch when it lands. It folds its wings over its back.

A dragonfly spreads its wings out.



Damselfly larva

Damselfly larvae hide among the plants. They are waiting for water fleas or other little creatures to swim close enough to grab.

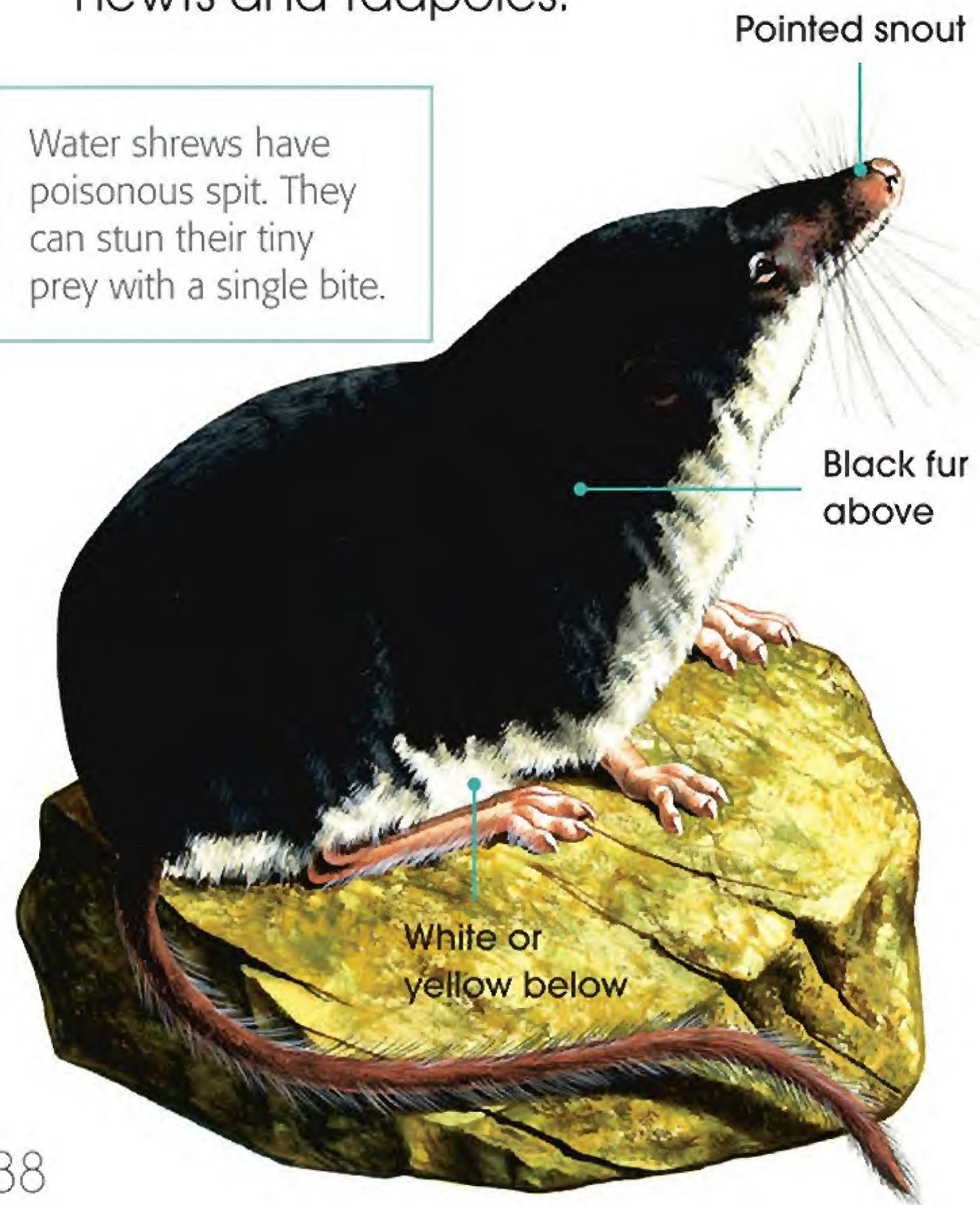
When it is time to turn into an adult, the larva climbs up a plant stem. Its skin splits open and a damselfly with wings comes out.





Water shrew

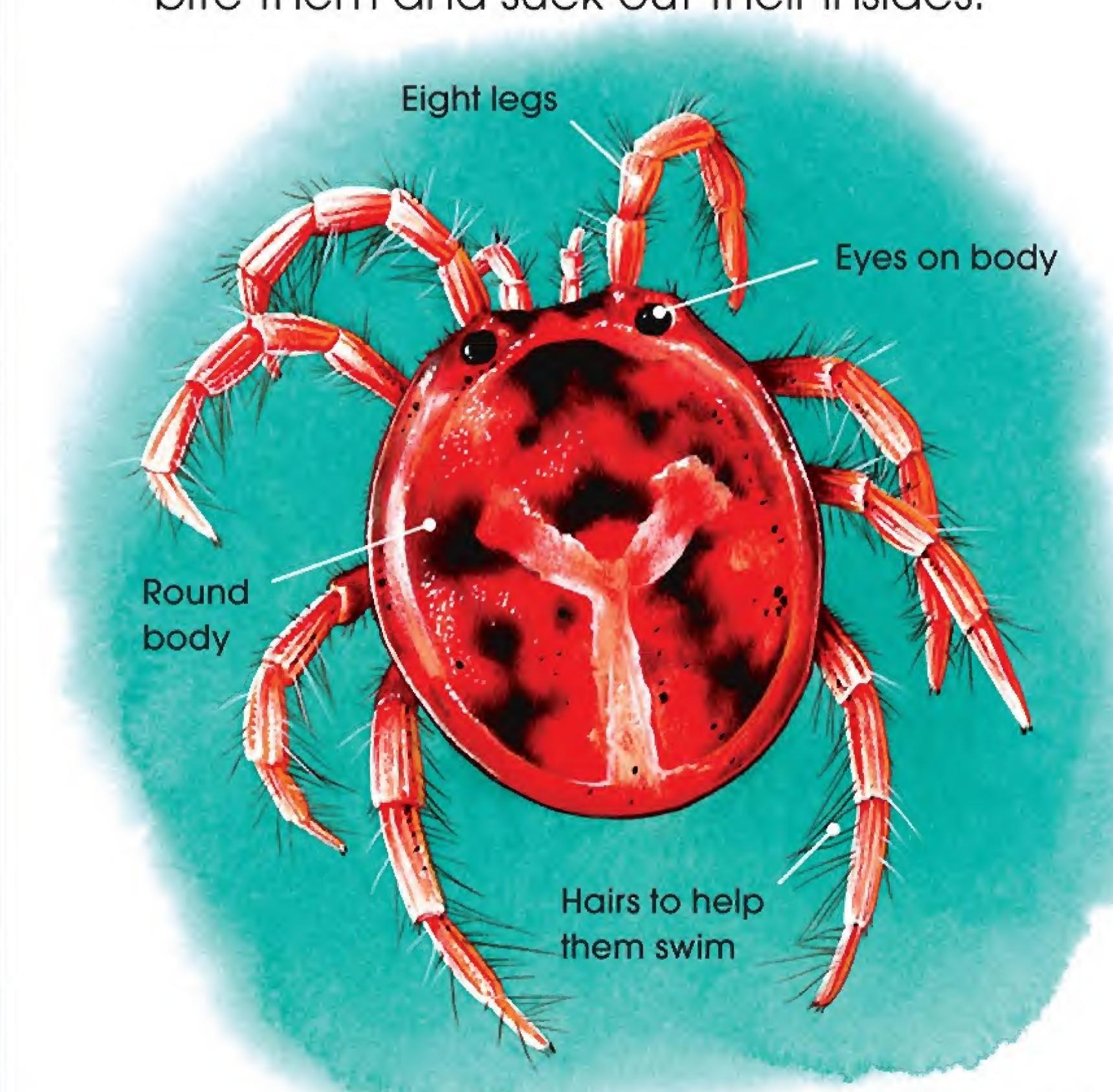
This little mammal spends most of its life moving between rivers, streams and ponds. It never stays in one place for very long. In the pond, it dives underwater to eat newts and tadpoles.



Water mite

Look for tiny red specks swimming near the surface. Water mites have eight legs, like spiders. They hunt other animals. They bite them and suck out their insides.

Unlike spiders, water mites can breathe in water.





China mark moth

China mark moths are very unusual. Their caterpillars live on floating plant leaves. The caterpillar cuts the leaf. Then it uses its silk to sew itself into a little leaf pouch. It sits inside and eats the leaf.

These moths are named after the marks on their wings. They are supposed to look like marks on china.



Useful words

bug an insect that has a beak like a sharp straw

cocoon a cover that an insect wraps around itself for protection

gills many animals that live in water breathe through gills rather than lungs

larva the young stage of an insect or other minibeast

prey an animal that is eaten by another animal

tentacle piece of a minibeast's body that sticks out like a feeler. The creature can feel, see or even eat with it.

Spotter's guide

How many of these creatures have you seen?



Common toad
page 7



Smooth newt
page 9



Common frog
page 6



Tadpoles
page 8



Great crested
newt
page 10



Grass snake
page 11



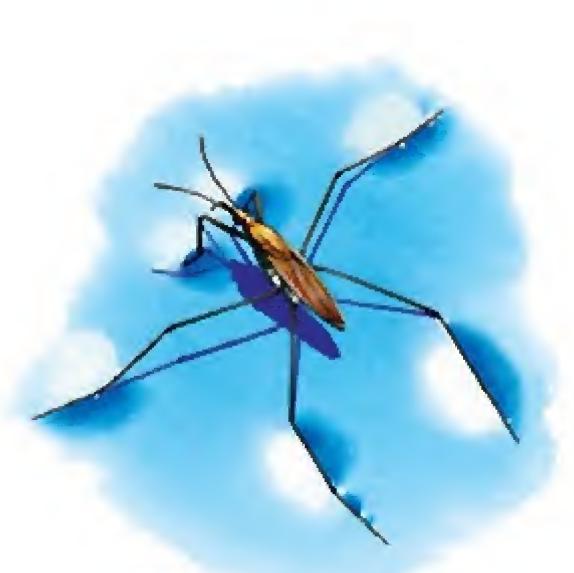
Hedgehog
page 12



Mallard
page 13



Heron
page 14



Pond skater
page 15



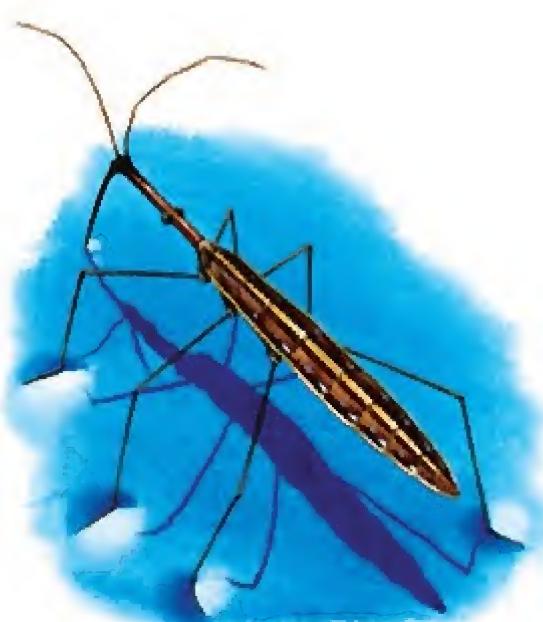
Alderfly
page 16



Backswimmer
page 17



Lesser water
boatman
page 18



Water measurer
page 23



Water scorpion
page 24



Great diving
beetle
page 19



Whirligig beetle
page 20



Leech
page 25



Water spider
page 26



Pond snail
page 21



Ramshorn snail
page 22



Water flea
page 27



Caddis fly larva
page 28



Mosquito larva
page 29



Stickleback
page 30



Dragonfly larva
page 35



Damselfly
page 36



Bloodworm
page 31



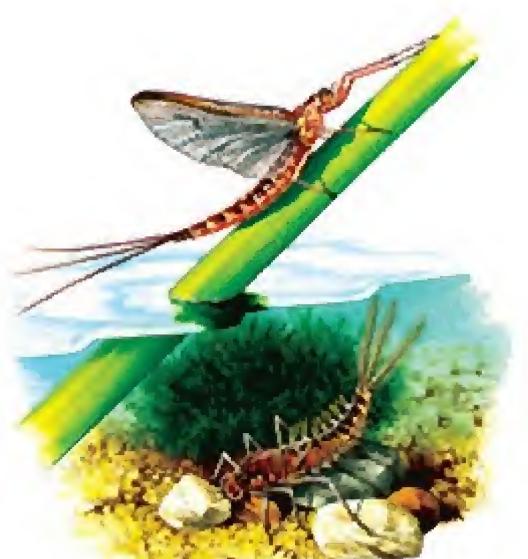
Flatworm
page 32



Damselfly larva
page 37



Water shrew
page 38



Mayfly
page 33



Dragonfly
page 34



Water mite
page 39



China mark moth
page 40

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